

Sub C1
(ii) [the second step for obtaining quenched lump alloy by] quenching droplets of said melted mixture to obtain a quenched lump alloy, [and]

(iii) optionally breaking the quenched lump alloy,

(iv) [the third step for] classifying and activating said quenched lump alloy [as it is or once it is broken],

Bo
(v) collecting said lump form Raney catalyst,

(vi) using said lump form Raney catalyst as the hydrogenation catalyst,

(vii) crushing said lump form Raney catalyst used as the hydrogenation catalyst into powder, and

(viii) reactivating.

Sub C2
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5. (Amended) A [lump Raney catalyst for a] fixed bed catalyst consisting of a nickel aluminum alloy with molybdenum and/or tin up to 15% made by the process comprising

melting a mixture of nickel and aluminum,

quenching droplets of said melted mixture of nickel and aluminum to form a quenched lump alloy,

breaking said quenched lump alloy into particles,

classifying said quenched lump alloy particles by [size to obtain a range of particles having a] grain diameter [suitable for forming a fixed bed catalyst], and

B2
Sub C
? also made by heating into particles
activating said (quenched lump alloy) or (said quenched lump alloy particles) to form (a Raney) catalyst. Appl. No. 09/197,499

Please add the following new claims:

B3
-18. The powder type Raney catalyst as defined in claim 1, further comprising a step of adding molybdenum and/or tin up to 15%, wherein at least one of molybdenum and tin must be in the catalyst.

19. The fixed bed catalyst as defined in claim 5, wherein at least one of molybdenum and tin must be in the catalyst. *F*

Sub C
20. A powder Raney catalyst made from (the lump Raney) catalyst defined in claim 5 further comprising after said activating step crushing said Raney catalyst to form a powder.

21. A powder Raney catalyst made from the lump Raney catalyst defined in claim 7 further comprising after said activating step crushing said Raney catalyst to form a powder. *C*